# Human PGA4/Pepsinogen A (His Tag) recombinant protein

Catalog Number: 504639



## General Information

#### **Protein Construction**

A DNA sequence encoding the human PGA4 (P00790) (Met 1-Ala 388) was fused with a polyhistidine tag at the C-terminus.

## **Organism**

Human

# **Expression Host**

**Human Cells** 

# QC Testing

#### **Activity**

Measured by its ability to cleave the fluorogenic peptide substrate, Mca-RPKPVE-Nval-WRK(Dnp)-NH2, AnaSpec, Catalog # 27114.

The specific activity is > 10,000 pmoles/min/ $\mu$ g.

## **Purity**

> 97 % as determined by SDS-PAGE

#### Endotoxin

 $< 1.0 \; EU \; per \; \mu g$  of the protein as determined by the LAL method

#### **Stability**

Samples are stable for up to twelve months from date of receipt at -70°C

#### Predicted N terminal

Ile 16

## **Molecular Mass**

The secreted recombinant human PGA4 consists of 384 amino acids and has a predicted molecular mass of 41.7 kDa. It migrates as an approximately 45 kDa band in SDS-PAGE under reducing conditions.

#### **Formulation**

Lyophilized from sterile PBS, pH 7.4

- 1. 5 % trehalose and mannitol are added as protectants before lyophilization.
- 2. Please contact us for any concerns or special requirements.

# **Usage Guide**

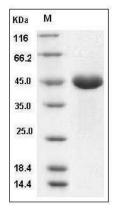
## **Storage**

Store it under sterile conditions at -20°C to -80°C. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.

## Reconstitution

Adding sterile water, prepare a stock solution of 0.25 mg/ml. Concentration is measured by UV-Vis.

## **SDS-PAGE**



Human PGA4 / Pepsinogen A Protein (His Tag) SDS-PAGE